

Converting Colors

$Y_{xy}(29.6949, 0.3143, 0.3780)$

Have a look what the booklet for
Yxy(29.6949, 0.3143, 0.3780)
contains.

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Color

Yxy(29.6949, 0.3143, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	829B7E
RGB	130, 155, 126
RGB Percent	51%, 61%, 49%
CMY	0.4903, 0.3921, 0.5058
CMYK	0.16, 0.00, 0.19, 0.39
HSL	112°, 13%, 55%
HSV	112°, 19%, 61%
XYZ	24.6908, 29.6949, 24.1723
YIQ	144.2190, -5.5910, -14.3190

Conversions

Conversions Part 2

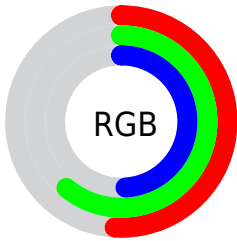
Format	Color
RYB	126, 155, 151
Decimal	8559486
CIELab	61.39, -14.55, 12.33
CIElCh	61, 19.068, 139.712
Yxy	29.6949, 0.3143, 0.3780
Android (android.graphics.Color)	4286749566 (0xFF829B7E)
YUV	144.2190, -8.9820, -12.4701
Hunter-Lab	54.4930, -14.4845, 11.8450

Details

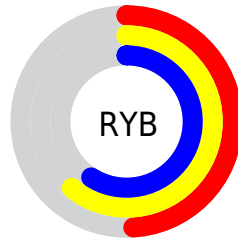
The Yxy color $29.6949, 0.3143, 0.3780$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $23.8750, 0.3103, 0.2833$, and the grayscale version is $28.0205, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.4151, 0.3139, 0.3677$, and $12.1419, 0.3137, 0.3968$ is the 20% darker color. If you saturate the color by 10%, you get $28.3364, 0.3148, 0.4083$, and if you desaturate by 10%, it is $31.2556, 0.3135, 0.3505$.

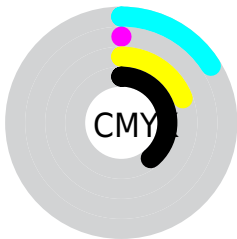
Distribution



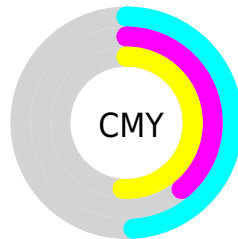
- Red (51%)
- Green (61%)
- Blue (49%)



- Red (49%)
- Yellow (61%)
- Blue (59%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (39%)





- Cyan (49%)
- Magenta (39%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6949, 0.3143, 0.3780 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 29.6949, 0.3143, 0.3780 by changing the saturation by 10% instead.


 29.6949, 0.3143,
0.3780


 29.6949, 0.3143,
0.3780


300.4797, 0.3138,
0.3510

 19.6071, 0.3143,
0.3857


 59.1793, 0.3142,
0.3675

 12.1098, 0.3141,
0.3964


 79.3448, 0.3142,
0.3638

 6.8185, 0.3136,
0.4118


 103.6383, 0.3141,
0.3607

 3.3488, 0.3123,
0.4364

132.4442, 0.3140,
0.3581

 1.3165, 0.3158,
0.4929

166.1469, 0.3140,
0.3559

 0.1539, 0.0000,
1.0000

205.1308, 0.3139,

 0.0000, 0.0000,

0.3540

0.0000

249.7802, 0.3139,
0.3524

■ 29.6949, 0.3143,
0.3780

■ 29.6949, 0.3143,
0.3780

■ 28.3364, 0.3148,
0.4083

■ 31.2556, 0.3135,
0.3505

■ 27.1681, 0.3149,
0.4409

■ 33.0223, 0.3126,
0.3260

■ 26.1827, 0.3145,
0.4746

■ 35.0035, 0.3115,
0.3044

■ 25.3708, 0.3136,
0.5078

■ 37.2061, 0.3105,
0.2856

■ 24.7222, 0.3119,
0.5385

■ 39.6368, 0.3094,
0.2691

■ 24.2256, 0.3097,
0.5642

■ 42.3017, 0.3083,
0.2549

■ 23.8683, 0.3070,
0.5831

■ 45.2070, 0.3073,
0.2425

■ 23.6313, 0.3044,
0.5953

■ 48.3586, 0.3063,
0.2317

■ 23.6072, 0.3042,
0.5967

■ 51.0658, 0.3135,
0.2308

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.6949, 0.3445, 0.3843



29.6949, 0.3143, 0.3780



29.6949, 0.2847, 0.3563

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.6949, 0.3143, 0.3780



29.6949, 0.2605, 0.2827



29.6949, 0.3646, 0.3277

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.6949, 0.3143, 0.3780



23.8750, 0.3103, 0.2833

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.6949, 0.3400, 0.3035



29.6949, 0.3143, 0.3780



29.6949, 0.2799, 0.2780

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.6949, 0.3143, 0.3780



29.6949, 0.2546, 0.2999



29.6949, 0.3087, 0.2857



29.6949, 0.3745, 0.3534

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.6949, 0.3143, 0.3780



29.6949, 0.2691, 0.3369



29.6949, 0.3087, 0.2857



29.6949, 0.3577, 0.3193

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.6962, 0.3143, 0.3780



56.7517, 0.3133, 0.3439



30.4998, 0.3412, 0.3678



12.8043, 0.3134, 0.3454



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.6962, 0.3143, 0.3780



52.2288, 0.3145, 0.3890



29.6643, 0.3014, 0.3608



6.9641, 0.3136, 0.3518



18.9695, 0.3045, 0.5964



0.2927, 0.3230, 0.5817

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.8750, 0.3103, 0.2833



40.0508, 0.3097, 0.2739



23.9340, 0.3261, 0.2992



6.2808, 0.3117, 0.3069



5.9713, 0.2874, 0.1357



0.0996, 0.3034, 0.1445

Previews

White Background



This preview shows how the Yxy color 29.6949, 0.3143, 0.3780 looks on a white background.

Color Contrast Check

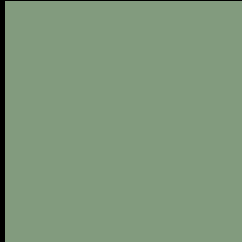
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 29.6949, 0.3143, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

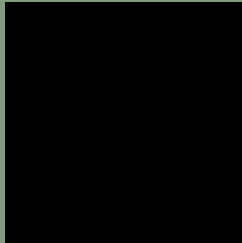
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.6949, 0.3143, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 29.6949, 0.3143, 0.3780.



This preview shows how white text looks on a background with the Yxy color 29.6949, 0.3143, 0.3780.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.6949, 0.3143, 0.3780

Protanopia

29.6529, 0.3471, 0.3700

Deuteranopia

29.3660, 0.3562, 0.3487



Tritanopia

29.6556, 0.2882, 0.3099

Trichromacy



Original Color

29.6949, 0.3143, 0.3780

Protanomaly

29.7663, 0.3354, 0.3743

Deuteranomaly

29.3945, 0.3401, 0.3590

Tritanomaly

29.6947, 0.2978, 0.3338

Monochromacy



Original Color

29.6949, 0.3143, 0.3780

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4749, 0.3139, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6949, 0.3143, 0.3780 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(130, 155, 126)` looks like.

```
.text, #text, p{  
    color:rgb(130, 155, 126)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(130, 155, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 155, 126) }
```

Border

The CSS property to change the border of an element to Yxy 29.6949, 0.3143, 0.3780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

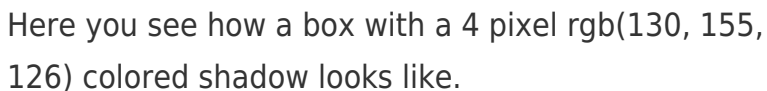
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(130, 155, 126) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(130, 155, 126) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(130, 155, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 155, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 155, 126);  
box-shadow:4px 4px 4px 4px rgb(130, 155,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6949, 0.3143, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 155, 126) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(130,  
155, 126) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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